Access DB# 80199

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: [illegible] Examiner #: 78264 Date: 11/14/02
Art Unit: 1625 Phone Number 30 605 1153 Serial Number: 09/659,643
Mail Box and Bldg/Room Location: 3D01-4006 Results Format Preferred (circle): PAPER DISK E-MAIL
If more than one search is submitted, please prioritize searches in order of need. mg

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: See Back Copy

Inventors (please provide full names):

Earliest Priority Filing Date:

Point of Contact:
~~Beverly Shears~~
Technical Info. Specialist
CM1 1E05 Tel: 308-4994

***For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.**

Please search for compound of formula I and its use as an antitumor and in processes for treating solid tumors in mammals together with a pharmaceutical carrier and a chemotherapeutic agent

claims 1 to 14

RECEIVED NOV 15 2002 TC 1600/2900

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STAFF USE ONLY

Searcher: Beverly 84994
Searcher Phone #:
Searcher Location:
Date Searcher Picked Up:
Date Completed: 11-18-02
Searcher Prep & Review Time:
Clerical Prep Time:
Online Time:

Type of Search

NA Sequence (#)		AA Sequence (#)	
Structure (#)		Bibliographic	
Litigation		Fulltext	
Patent Family		Other	

Vendors and cost where applicable

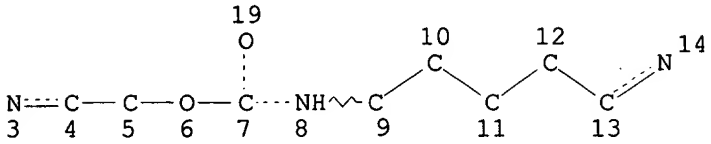
STN
Dialog
Questel/Orbit
Dr.Link
Lexis/Nexis
Sequence Systems
WWW/Internet
Other (specify)

PTO-1590 (8-01)

Reyes, H.
09/659643

(FILE 'REGISTRY' ENTERED AT 15:08:46 ON 18 NOV 2002)

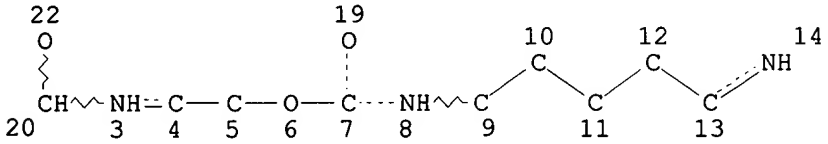
L1 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE
L2 (106) SEA FILE=REGISTRY SSS FUL L1
L3 STR



$R_1 = H$

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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
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NUMBER OF NODES IS 15

STEREO ATTRIBUTES: NONE
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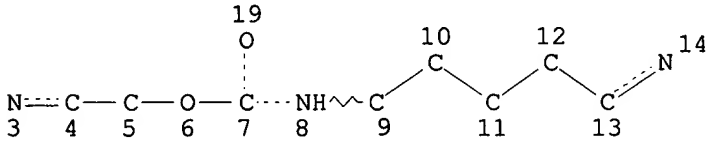
SEARCH TIME: 00.00.01

L5 STR



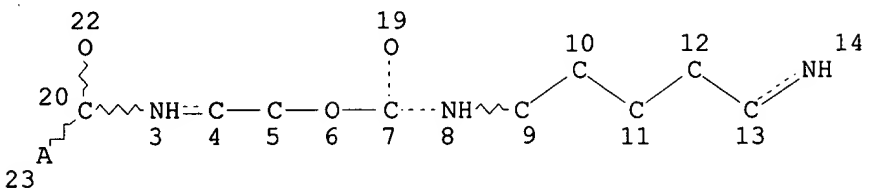
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED

Searcher : Shears 308-4994

NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE
L6 (106) SEA FILE=REGISTRY SSS FUL L5
L7 STR



R_1 = any non-hydrog in a ring/chain

NODE ATTRIBUTES:
NSPEC IS RC AT 23
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE
L8 79 SEA FILE=REGISTRY SUB=L6 SSS FUL L7

100.0% PROCESSED 103 ITERATIONS 79 ANSWERS
SEARCH TIME: 00.00.01

FILE 'HCAPLUS' ENTERED AT 15:15:53 ON 18 NOV 2002
L9 13 SEA ABB=ON PLU=ON L8
L10 5 SEA ABB=ON PLU=ON L9 AND (?TUMOUR? OR ?NEOPLAS? OR ?TUMOR? OR ?CARCIN? OR ?CANCER?)

=> sel hit l10 1-5 rn
E1 THROUGH E61 ASSIGNED

L10 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2002:675821 HCAPLUS
DOCUMENT NUMBER: 137:222033
TITLE: Compositions and methods for enhancing drug delivery across and into ocular tissues
INVENTOR(S): Rothbard, Jonathan B.; Wender, Paul A.; McGrane, P. Leo; Sista, Lalitha Vs; Kirschberg, Thorsten A.
PATENT ASSIGNEE(S): Cellgate, Inc., USA
SOURCE: PCT Int. Appl., 119 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

not prior art!

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002067917	A1	20020906	WO 2002-US5804	20020225

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,

GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ,
LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ,
BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,
CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,
SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG

US 2002127198 A1 20020912 US 2001-792480 20010223
PRIORITY APPLN. INFO.: US 2001-792480 A 20010223
US 1999-150510P P 19990824
US 2000-648400 A2 20000824

OTHER SOURCE(S): MARPAT 137:222033

AB Compns. and methods for enhancing delivery of drugs, diagnostic and other agents across epithelial tissues, including into and across ocular tissues and blood-brain barrier are provided. The compns. and methods employ a delivery enhancing transporter that has sufficient guanidino or amidino side chain moieties to enhance delivery of a compd. conjugated to the reagent across one or more layers of the tissue, compared to the non-conjugated compd. The delivery-enhancing polymers include, for example, poly-arginine mols. that are preferably between about 6 and 25 residues in length. For example, a series of structural characteristics including sequence length, amino acid compn., and chirality that influence the ability of Tat49-57 to enter cells is identified. These characteristics provided the blueprint for the design of a series of novel peptoids, of which 17 members were synthesized and assayed for cellular uptake. This research established that the peptide backbone and hydrogen bonding along that backbone are not required for cellular uptake, that the guanidino head group is superior to other cationic subunits, and most significantly, that an extension of the alkyl chain between the backbone and the head group provides superior transporters. In addn. to better uptake performance, these novel peptoids offer several advantages over Tat49-57 including cost-effectiveness, ease of synthesis of analogs, and protease stability. These features along with their significant water soly. (>100 mg/mL) indicate that these novel peptoids could serve as effective transporters for the mol. delivery of drugs, drug candidates, and other agents into cells.

IT **455282-37-8P 455282-38-9P 455282-39-0P**
455282-40-3P 455282-41-4P 455282-42-5P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug conjugates with peptide transporter contg. amidino or guanidino moieties for enhanced delivery across epithelium)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:265375 HCAPLUS
DOCUMENT NUMBER: 134:311431
TITLE: Preparation of novel amino acid-related carbamates and ureas
INVENTOR(S): Rana, Tariq M.; Hwang, Seongwoo; Tamilarasu, Natarajan
PATENT ASSIGNEE(S): University of Medicine and Dentistry of New

Jersey, USA
SOURCE: PCT Int. Appl., 117 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001025188	A1	20010412	WO 2000-US27398	20001004
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6420591	B1	20020716	US 2000-679728	20001004
EP 1226115	A1	20020731	EP 2000-968691	20001004
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				

PRIORITY APPLN. INFO.: US 1999-157646P P 19991004
WO 2000-US27398 W 20001004

OTHER SOURCE(S): MARPAT 134:311431

AB Novel carbamates and ureas H-Y-Y-Y-NH2 [each Y is independently a radical NHC*H[(CH2)mR1]CO, N[(CH2)mR1]CH2CO, or NHC*H[(CH2)mR1]CH2O2C (Q), where each R1 is independently selected from -NH2, -NHC(:NH)NH2, and -CH2C(:NH)NH2; each m is independently an integer 3-7; each * is an (R) or (S) chiral center; and with the proviso that at least one Y is a radical having the structure of Q] and their pharmaceutically acceptable salts were prepd. for treating or preventing **cancer**, inflammation, or a viral infection. Thus, H2NCONHCH[(CH2)3NHC(:NH)NH2]CH2NHCONHCH[(CH2)4NH2]CH2NHCONHCH[(CH2)4NH2]CH2NH2, with the chirality of arginine and lysine, was prepd. and showed Ki = 50 nM for binding to HIV TAR RNA.

IT **334000-12-3P 334000-13-4P 334000-14-5P**
334000-15-6P 334000-16-7P 334000-17-8P
334000-18-9P 334000-19-0P 334000-20-3P
334000-21-4P 334000-22-5P 334000-23-6P
334000-24-7P 334000-25-8P 334000-26-9P
334000-27-0P 334000-28-1P 334000-29-2P
334000-64-5P 334000-65-6P 334000-66-7P
334000-67-8P 334000-68-9P 334000-69-0P
334000-70-3P 334000-71-4P 334000-72-5P
334000-73-6P 334000-74-7P 334000-75-8P
334000-76-9P 334000-77-0P 334000-78-1P
334000-79-2P 334000-80-5P 334000-81-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of amino acid-related carbamates and ureas)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN

THE RE FORMAT

L10 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:208131 HCAPLUS
DOCUMENT NUMBER: 134:231861
TITLE: Method of potentiating chemotherapy and treating solid **tumors**
INVENTOR(S): Gibbons, James Joseph, Jr.; Dukart, Gary; Lucas, Judy; Speicher, Lisa Anne
PATENT ASSIGNEE(S): American Home Products Corporation, USA
SOURCE: PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001019399	A2	20010322	WO 2000-US25008	20000912
WO 2001019399	A3	20011213		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 2000014001	A	20020521	BR 2000-14001	20000912
EP 1214092	A2	20020619	EP 2000-961841	20000912
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				

PRIORITY APPLN. INFO.: US 1999-396051 A 19990915
WO 2000-US25008 W 20000912

OTHER SOURCE(S): MARPAT 134:231861

AB This invention provides a method of treating solid **tumors** which comprises administering an effective amt. of a combination of (1) a bioresponse modifier and (2) a chemotherapeutic agent. This invention also provides a method of potentiating the effects of a chemotherapeutic regimen in a mammal in need of treatment with such regimen which comprises administering a bioresponse modifier in addn. to a chemotherapeutic regimen. The potentiating effect of the bioresponse modifier [R-(R*,R*)]-N-[R-6-carboxy-N2-[[2-carboxy-1-methyl-2-[(1-oxoheptyl)amino]ethoxy]carbonyl]-L-lysyl]alanine and paclitaxel was demonstrated in mice.

IT **160705-84-0**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(potentiating chemotherapy and treating solid **tumors**)

L10 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:152863 HCAPLUS
DOCUMENT NUMBER: 134:204756
TITLE: Methods for the detection, analysis and

isolation of nascent proteins
INVENTOR(S): Rothschild, Kenneth J.; Gite, Sadanand; Olejnik, Jerzy
PATENT ASSIGNEE(S): Ambergen, Inc., USA
SOURCE: PCT Int. Appl., 204 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001014578	A1	20010301	WO 2000-US23233	20000823
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6303337	B1	20011016	US 1999-382950	19990825
US 6306628	B1	20011023	US 1999-382736	19990825
EP 1210449	A1	20020605	EP 2000-957758	20000823
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
US 2002132248	A1	20020919	US 2001-973145	20011009

PRIORITY APPLN. INFO.: US 1999-382736 A 19990825
US 1999-382950 A 19990825
WO 2000-US23233 W 20000823

AB This invention relates to non-radioactive markers that facilitate the detection and anal. of nascent proteins translated within cellular or cell-free translation systems. Nascent proteins contg. these markers can be rapidly and efficiently detected, isolated and analyzed without the handling and disposal problems assocd. with radioactive reagents. Preferred markers are dipyrromethene boron difluoride (4,4-difluoro-4-bora-3a,4a-diaza-s-indacene) dyes.

IT **328387-26-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(methods for detection, anal. and isolation of nascent proteins)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

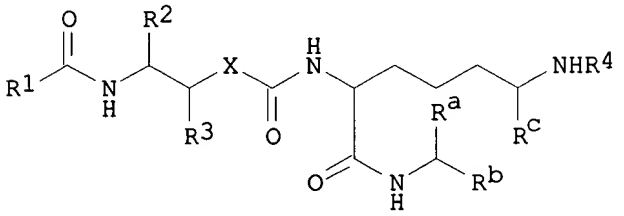
L10 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1995:324507 HCAPLUS
DOCUMENT NUMBER: 122:106538
TITLE: Preparation of peptide urethane and urea derivatives that induce cytokine production
INVENTOR(S): Ayral-Kaloustian, Semiramis; Schow, Steven R.; Du, Mila T.; Gibbons, James J., Jr.
PATENT ASSIGNEE(S): American Cyanamid Co., USA
SOURCE: U.S., 25 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5312831	A	19940517	US 1993-63174	19930512
US 5545662	A	19960813	US 1994-213303	19940314
EP 652228	A1	19950510	EP 1994-106123	19940420
EP 652228	B1	19961023		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
AT 144533	E	19961115	AT 1994-106123	19940420
ES 2094004	T3	19970101	ES 1994-106123	19940420
CZ 290445	B6	20020717	CZ 1994-981	19940422
SK 281120	B6	20001211	SK 1994-491	19940428
HU 67038	A2	19950130	HU 1994-1444	19940506
HU 219768	B	20010730		
JP 07179414	A2	19950718	JP 1994-119532	19940509
IL 109602	A1	20000601	IL 1994-109602	19940509
CA 2123261	AA	19941113	CA 1994-2123261	19940510
FI 9402186	A	19941113	FI 1994-2186	19940511
NO 9401786	A	19941114	NO 1994-1786	19940511
AU 9463043	A1	19941117	AU 1994-63043	19940511
AU 669064	B2	19960523		
ZA 9403266	A	19950112	ZA 1994-3266	19940511
RU 2135515	C1	19990827	RU 1994-16389	19940511
PL 179984	B1	20001130	PL 1994-303396	19940511
CN 1100413	A	19950322	CN 1994-105671	19940512
TW 380129	B	20000121	TW 1994-83107431	19940813
US 5602275	A	19970211	US 1995-449878	19950525
US 5616612	A	19970401	US 1995-451099	19950525
US 5633280	A	19970527	US 1995-451085	19950525
US 5658945	A	19970819	US 1995-449968	19950525

PRIORITY APPLN. INFO.: US 1993-63174 A3 19930512
US 1994-213303 A3 19940314

OTHER SOURCE(S): MARPAT 122:106538
GI



I

AB Title compds. [I; R1, R3, Ra = H, (substituted) alkyl, cycloalkyl, cycloalkylalkyl, vinyl, acetylene, amino, acylamino, aryl, aralkyl, aryloxy, heterocyclyl, etc.; R2, Rb, Rc = (protected) carboxy, carboxylalkyl, carboxamide; X = O, S; R4 = H, protecting group], were prepd. Thus, [R-(R*,R*)]-N-(R)-6-carboxy-N2-[[2-carboxy-1-

methyl-2-[(1-oxoheptyl)amino]ethoxy]carbonyl]lysyl-D-alanine (soln. phase prepn. given) at 0.1 mg/kg s.c. in mice induced 4802 U/mL of IL-6. I may be useful in the treatment of **cancer**, AIDS, aplastic anemia, myelodysplastic syndrome, infectious disease, and in the enhancement of immune response.

IT **160578-69-8P 160578-70-1P 160578-71-2P**
160578-72-3P 160578-73-4P 160579-15-7P
160579-16-8P 160579-17-9P 160579-18-0P
160705-77-1P 160705-78-2P 160705-79-3P
160705-81-7P 160705-82-8P 160705-83-9P
160705-84-0P 160705-85-1P 160705-86-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, for induction of cytokine prodn.)

FILE 'REGISTRY' ENTERED AT 15:17:51 ON 18 NOV 2002

L11 61 SEA FILE=REGISTRY ABB=ON PLU=ON (160705-84-0/BI OR
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160579-16-8/BI OR 160579-17-9/BI OR 160579-18-0/BI OR
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160705-81-7/BI OR 160705-82-8/BI OR 160705-83-9/BI OR
160705-85-1/BI OR 160705-86-2/BI OR 328387-26-4/BI OR
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334000-64-5/BI OR 334000-65-6/BI OR 334000-66-7/BI OR
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334000-73-6/BI OR 334000-74-7/BI OR 334000-75-8/BI OR
334000-76-9/BI OR 334000-77-0/BI OR 334000-78-1/BI OR
334000-79-2/BI OR 334000-80-5/BI OR 334000-81-6/BI OR
455282-37-8/BI OR 455282-38-9/BI OR 455282-39-0/BI OR
455282-40-3/BI OR 455282-41-4/BI OR 455282-42-5/BI)

Random RNs/Strs displayed

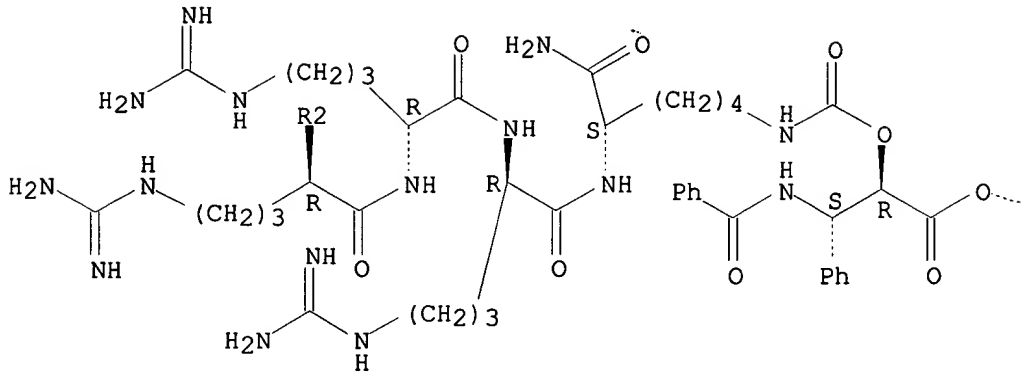
=> d 1,7,43,44,53,57 ide can

L11 ANSWER 1 OF 61 REGISTRY COPYRIGHT 2002 ACS
RN **455282-42-5** REGISTRY
CN L-Lysinamide, D-arginyl-D-arginyl-D-arginyl-D-arginyl-D-arginyl-D-arginyl-D-arginyl-D-arginyl-D-arginyl-N6-[2-[(1R,2S)-2-(benzoylamino)-1-[[[(2aR,4S,4aS,6R,9S,11S,12S,12aR,12bS)-6,12b-bis(acetyloxy)-12-(benzoyloxy)-2a,3,4,4a,5,6,9,10,11,12,12a,12b-dodecahydro-4,11-dihydroxy-4a,8,13,13-tetramethyl-5-oxo-7,11-methano-1H-cyclodeca[3,4]benz[1,2-b]oxet-9-yl]oxy]carbonyl]-2-phenylethoxy]-2-oxoethyl]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C108 H172 N40 O25
SR CA
LC STN Files: CA, CAPLUS

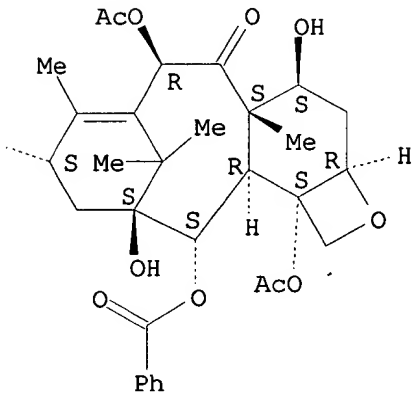
RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

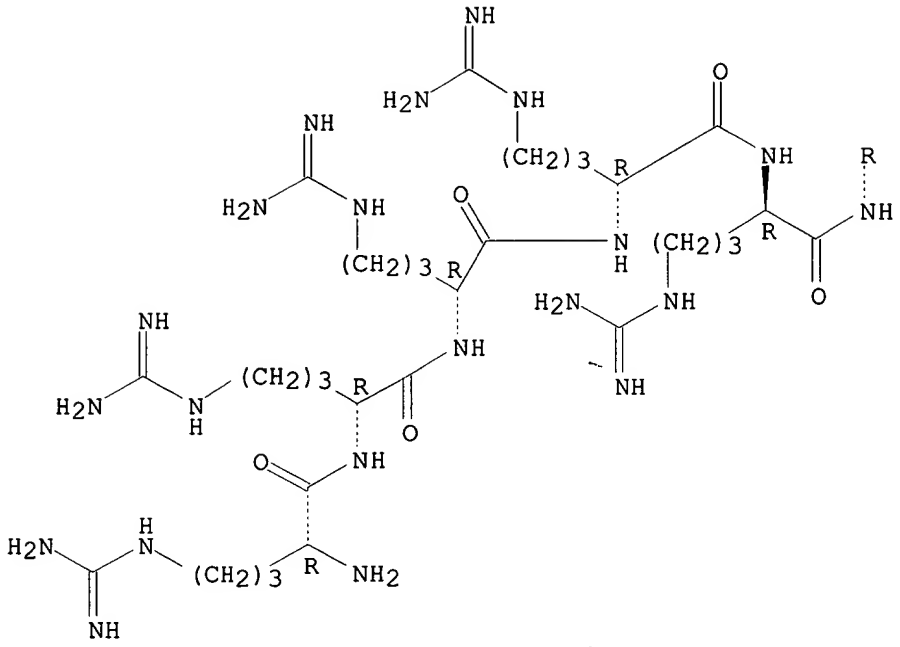
PAGE 1-A



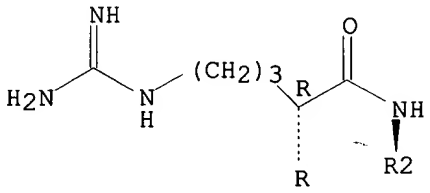
PAGE 1-B



PAGE 2-A



PAGE 3-A

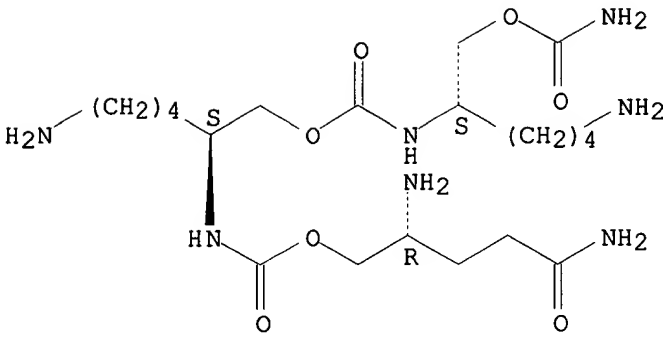


1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 137:222033

L11 ANSWER 7 OF 61 REGISTRY COPYRIGHT 2002 ACS
RN **334000-81-6** REGISTRY
CN 5,10-Dioxa-2,7-diazaundecanoic acid, 11-amino-3,8-bis(4-aminobutyl)-6,11-dioxo-, (2R)-2,5-diamino-5-oxopentyl ester, (3S,8S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C20 H41 N7 O7
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

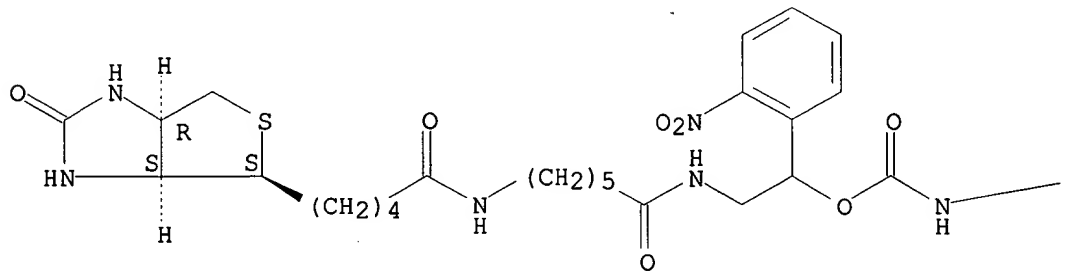
1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

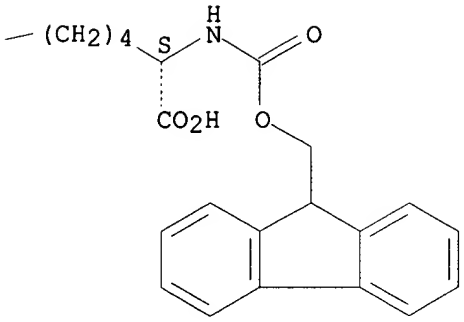
REFERENCE 1: 134:311431

L11 ANSWER 43 OF 61 REGISTRY COPYRIGHT 2002 ACS
RN **328387-26-4** REGISTRY
CN 10-Oxa-2,8,13,20-tetraazapentacosanoic acid, 3-carboxy-25-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-11-(2-nitrophenyl)-9,14,21-trioxo-, 1-(9H-fluoren-9-ylmethyl) ester, (3S)-(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C46 H57 N7 O11 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PAGE 1-A





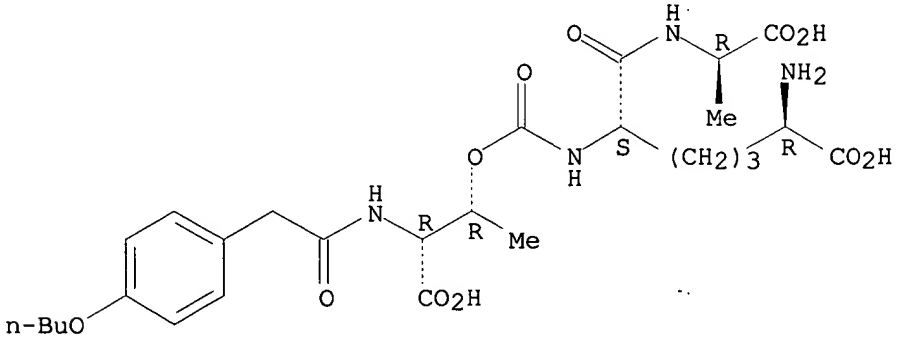
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 134:204756

L11 ANSWER 44 OF 61 REGISTRY COPYRIGHT 2002 ACS
RN **160705-86-2** REGISTRY
CN D-Alanine, N-[(R)-N2,6-dicarboxy-L-lysyl]-, N2-ester with N-[(4-butoxyphenyl)acetyl]-D-allothreonine (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C27 H40 N4 O11
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

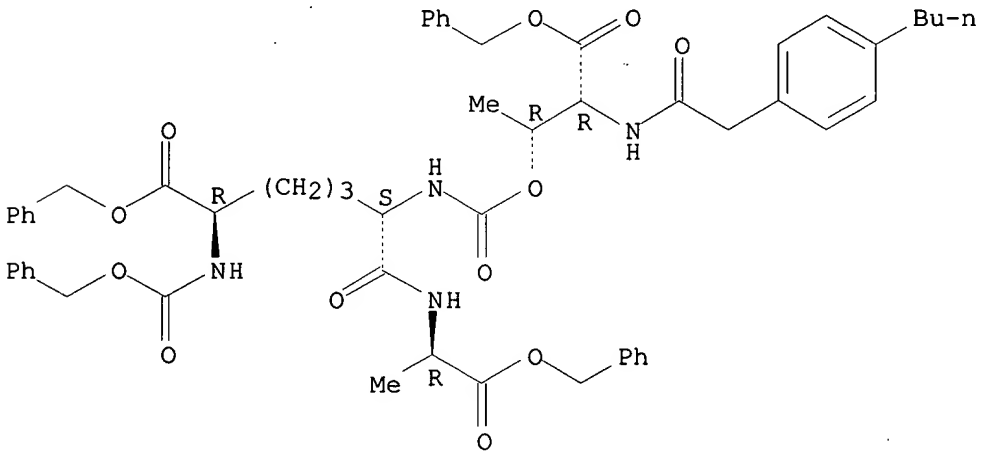
1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 122:106538

L11 ANSWER 53 OF 61 REGISTRY COPYRIGHT 2002 ACS
RN **160579-18-0** REGISTRY
CN D-Allothreonine, N-[(4-butylphenyl)acetyl]-, phenylmethyl ester, [1-[[[1-methyl-2-oxo-2-(phenylmethoxy)ethyl]amino]carbonyl]-6-oxo-6-(phenylmethoxy)-5-[[(phenylmethoxy)carbonyl]amino]hexyl]carbamate (ester), [1S-[1R*(S*),5S*]]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C56 H64 N4 O12
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



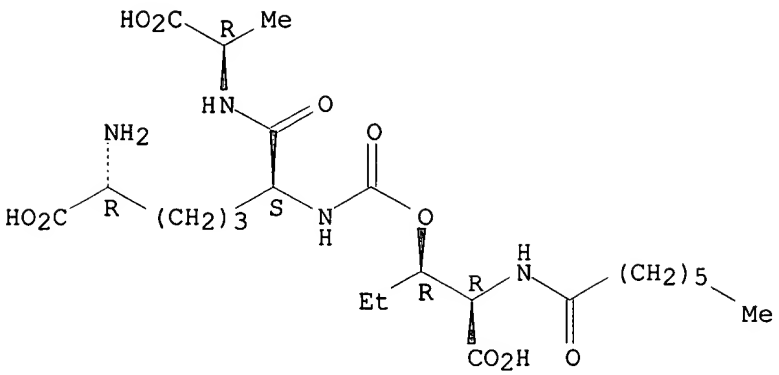
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 122:106538

L11 ANSWER 57 OF 61 REGISTRY COPYRIGHT 2002 ACS
RN **160578-73-4** REGISTRY
CN D-Alanine, N-[(R)-6-carboxy-N2-[[1-[carboxy[(1-oxoheptyl)amino]methyl]propoxy]carbonyl]-L-lysyl]-, [R-(R*,R*)]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C23 H40 N4 O10
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 122:106538

FILE 'CAOLD' ENTERED AT 15:19:00 ON 18 NOV 2002
L12 0 S L11

FILE 'USPATFULL' ENTERED AT 15:19:05 ON 18 NOV 2002
L13 10 S L11

L13 ANSWER 1 OF 10 USPATFULL

ACCESSION NUMBER:	2002:243062 USPATFULL
TITLE:	N-terminal and C-terminal markers in nascent proteins
INVENTOR(S):	Rothschild, Kenneth J., Newton, MA, UNITED STATES Gite, Sadanand, Cambridge, MA, UNITED STATES Olejnik, Jerzy, Brookline, MA, UNITED STATES
PATENT ASSIGNEE(S):	AmberGen, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002132248	A1	20020919
APPLICATION INFO.:	US 2001-973145	A1	20011009 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-382950, filed on 25 Aug 1999, GRANTED, Pat. No. US 6303337		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	MEDLEN & CARROLL, LLP, 101 HOWARD STREET, SUITE 350, SAN FRANCISCO, CA, 94105		
NUMBER OF CLAIMS:	48		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	36 Drawing Page(s)		
LINE COUNT:	4518		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to non-radioactive markers that facilitate the detection and analysis of nascent proteins translated within cellular or cell-free translation systems. Nascent proteins containing these markers can be rapidly and efficiently detected,

isolated and analyzed without the handling and disposal problems associated with radioactive reagents. Methods are described for incorporating N-terminal, C-terminal and (optionally) affinity markers into a nascent protein

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 2 OF 10 USPATFULL

ACCESSION NUMBER:	2002:235015 USPATFULL
TITLE:	Compositions and methods for enhancing drug delivery across and into epithelial tissues
INVENTOR(S):	Rothbard, Jonathan B., Cupertino, CA, UNITED STATES Wender, Paul A., Menlo Park, CA, UNITED STATES McGrane, P. Leo, Mountain View, CA, UNITED STATES Sista, Lalitha V.S., Sunnyvale, CA, UNITED STATES Kirschberg, Thorsten A., Mountain View, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002127198	A1	20020912
APPLICATION INFO.:	US 2001-792480	A1	20010223 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-648400, filed on 24 Aug 2000, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-150510P	19990824 (60)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834
NUMBER OF CLAIMS:	61
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	34 Drawing Page(s)
LINE COUNT:	4029

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention provides compositions and methods for enhancing delivery of drugs and other agents across epithelial tissues, including the skin, gastrointestinal tract, pulmonary epithelium, ocular tissues and the like. The compositions and methods are also useful for delivery across endothelial tissues, including the blood brain barrier. The compositions and methods employ a delivery enhancing transporter that has sufficient guanidino or amidino sidechain moieties to enhance delivery of a compound conjugated to the reagent across one or more layers of the tissue, compared to the non-conjugated compound. The delivery-enhancing polymers include, for example, poly-arginine molecules that are preferably between about 6 and 25 residues in length.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 3 OF 10 USPATFULL

ACCESSION NUMBER:	2001:185067 USPATFULL
TITLE:	Methods for the detection, analysis and isolation of Nascent proteins

Searcher : Shears 308-4994

INVENTOR(S): Rothschild, Kenneth J., Newton, MA, United States
Gite, Sadanand, Cambridge, MA, United States
Olejnik, Jerzy, Allston, MA, United States
PATENT ASSIGNEE(S): Ambergen, Incorporated, Boston, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6306628	B1	20011023
APPLICATION INFO.:	US 1999-382736		19990825 (9)

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Schwartzman, Robert A.
ASSISTANT EXAMINER: Davis, Katharine F
LEGAL REPRESENTATIVE: Medlen & Carroll, LLP
NUMBER OF CLAIMS: 26
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 38 Drawing Figure(s); 35 Drawing Page(s)
LINE COUNT: 4586
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to non-radioactive markers that facilitate the detection and analysis of nascent proteins translated within cellular or cell-free translation systems. Nascent proteins containing these markers can be rapidly and efficiently detected, isolated and analyzed without the handling and disposal problems associated with radioactive reagents. Preferred markers are dipyrromethene boron difluoride (4,4-difluoro-4-bora-3a,4a-diaza-s-indacene) dyes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 4 OF 10 USPATFULL
ACCESSION NUMBER: 2001:178841 USPATFULL
TITLE: N-terminal and C-terminal markers in nascent proteins
INVENTOR(S): Rothschild, Kenneth J., Newton, MA, United States
Gite, Sadanand, Cambridge, MA, United States
Olejnik, Jerzy, Allston, MA, United States
PATENT ASSIGNEE(S): Amber Gen. Inc., Boston, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6303337	B1	20011016
APPLICATION INFO.:	US 1999-382950		19990825 (9)

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Brusca, John S.
ASSISTANT EXAMINER: Lundgren, Jeffrey S.
LEGAL REPRESENTATIVE: Medlen & Carroll, LLP
NUMBER OF CLAIMS: 48
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 38 Drawing Figure(s); 36 Drawing Page(s)
LINE COUNT: 4500
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to non-radioactive markers that facilitate the detection and analysis of nascent proteins translated within cellular or cell-free translation systems. Nascent proteins

containing these markers can be rapidly and efficiently detected, isolated and analyzed without the handling and disposal problems associated with radioactive reagents. Methods are described for incorporating N-terminal, C-terminal and (optionally) affinity markers into a nascent protein

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 5 OF 10 USPATFULL

ACCESSION NUMBER:	97:73652 USPATFULL
TITLE:	Urethanes and ureas that induce cytokine production
INVENTOR(S):	Ayral-Kaloustian, Semiramis, Tarrytown, NY, United States Schow, Steven R., Washingtonville, NY, United States Du, Mila T., Suffern, NY, United States Gibbons, Jr., James J., Westwood, NY, United States
PATENT ASSIGNEE(S):	American Cyanamid Company, Madison, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5658945		19970819
APPLICATION INFO.:	US 1995-449968		19950525 (8)

RELATED APPLN. INFO.: Division of Ser. No. US 1994-213303, filed on 14 Mar 1994, now patented, Pat. No. US 5545662 which is a division of Ser. No. US 1993-63174, filed on 12 May 1993, now patented, Pat. No. US 5312831

DOCUMENT TYPE:	Utility
FILE SEGMENT:	Granted
PRIMARY EXAMINER:	Goldberg, Jerome D.
LEGAL REPRESENTATIVE:	Milowsky, Arnold S.
NUMBER OF CLAIMS:	3
EXEMPLARY CLAIM:	1
LINE COUNT:	1954

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to novel ureas and urethanes of Formula I: ##STR1## which stimulate cytokine production and may be used to accelerate recovery from neutropenia accompanying radio- or chemotherapy, bone marrow transplantation, or infections. Compounds in the invention or pharmaceutical compositions employing these compounds may be useful in the treatment of cancer, AIDS, aplastic anemia, myelodysplastic syndrome, and infectious diseases, and in the enhancement of immune response.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 6 OF 10 USPATFULL

ACCESSION NUMBER:	97:45042 USPATFULL
TITLE:	Urethanes and ureas that induce cytokine production
INVENTOR(S):	Ayral-Kaloustian, Semiramis, Tarrytown, NY, United States Schow, Steven R., Washingtonville, NY, United States Du, Mila T., Suffern, NY, United States

Searcher : Shears 308-4994

Gibbons, Jr., James J., Westwood, NJ, United States
PATENT ASSIGNEE(S): American Cyanamid Company, Madison, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5633280		19970527
APPLICATION INFO.:	US 1995-451085		19950525 (8)

RELATED APPLN. INFO.: Division of Ser. No. US 1994-213303, filed on 14 Mar 1994, now patented, Pat. No. US 5545662 which is a division of Ser. No. US 1993-63174, filed on 12 May 1993, now patented, Pat. No. US 5312831
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Goldberg, Jerome D.
LEGAL REPRESENTATIVE: Milowsky, Arnold S.
NUMBER OF CLAIMS: 3
EXEMPLARY CLAIM: 1
LINE COUNT: 1961
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention relates to novel ureas and urethanes of Formula I: ##STR1## which stimulate cytokine production and may be used to accelerate recovery from neutropenia accompanying radio- or chemotherapy, bone marrow transplantation, or infections. Compounds in the invention or pharmaceutical compositions employing these compounds may be useful in the treatment of cancer, AIDS, aplastic anemia, myelodysplastic syndrome, and infectious diseases, and in the enhancement of immune response.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 7 OF 10 USPATFULL
ACCESSION NUMBER: 97:27199 USPATFULL
TITLE: Urethanes and ureas that enhance the growth of bone marrow progenitor cells
INVENTOR(S): Ayral-Kaloustian, Semiramis, Tarrytown, NY, United States
Schow, Steven R., Washingtonville, NY, United States
Du, Mila T., Suffern, NY, United States
Gibbons, Jr., James J., Westwood, NJ, United States
PATENT ASSIGNEE(S): American Cyanamid Company, Madison, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5616612		19970401
APPLICATION INFO.:	US 1995-451099		19950525 (8)

RELATED APPLN. INFO.: Division of Ser. No. US 1994-213303, filed on 14 Mar 1994, now patented, Pat. No. US 5545662 which is a division of Ser. No. US 1993-63174, filed on 12 Sep 1993, now patented, Pat. No. US 5312831
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Cook, Rebecca
LEGAL REPRESENTATIVE: Milowsky, Arnold S.

Searcher : Shears 308-4994

NUMBER OF CLAIMS: 3
EXEMPLARY CLAIM: 1
LINE COUNT: 1956
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention relates to novel ureas and urethanes of Formula I: ##STR1## which stimulate cytokine production and may be used to accelerate recovery from neutropenia accompanying radio- or chemotherapy, bone marrow transplantation, or infections. Compounds in the invention or pharmaceutical compositions employing these compounds may be useful in the treatment of cancer, AIDS, aplastic anemia, myelodysplastic syndrome, and infectious diseases, and in the enhancement of immune response.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 8 OF 10 USPATFULL
ACCESSION NUMBER: 97:12611 USPATFULL
TITLE: Urethanes and ureas that induce cytokine production
INVENTOR(S): Ayral-Kaloustian, Semiramis, Tarrytown, NY, United States
Schow, Steven R., Washingtonville, NY, United States
Du, Mila T., Suffern, NY, United States
Gibbons, Jr., James J., Westwood, NJ, United States
PATENT ASSIGNEE(S): American Cyanamid Company, Madison, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5602275		19970211
APPLICATION INFO.:	US 1995-449878		19950525 (8)

RELATED APPLN. INFO.: Division of Ser. No. US 1994-213303, filed on 14 Mar 1994, now patented, Pat. No. US 5545662 which is a division of Ser. No. US 1993-63174, filed on 12 May 1993, now patented, Pat. No. US 5312831
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Shippen, Michael L.
LEGAL REPRESENTATIVE: Milowsky, Arnold S.
NUMBER OF CLAIMS: 2
EXEMPLARY CLAIM: 1
LINE COUNT: 1920
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention relates to novel ureas and urethanes of Formula I: ##STR1## which stimulate cytokine production and may be used to accelerate recovery from neutropenia accompanying radio- or chemotherapy, bone marrow transplantation, or infections. Compounds in the invention or pharmaceutical compositions employing these compounds may be useful in the treatment of cancer, AIDS, aplastic anemia, myelodysplastic syndrome, and infectious diseases, and in the enhancement of immune response.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 9 OF 10 USPATFULL
ACCESSION NUMBER: 96:72910 USPATFULL

TITLE: Urethanes and ureas that induce cytokine production
INVENTOR(S): Ayral-Kaloustian, Semiramis, Tarrytown, NY, United States
Schow, Steven R., Washingtonville, NY, United States
Du, Mila T., Suffern, NY, United States
Gibbons, Jr, James J., Westwood, NJ, United States
PATENT ASSIGNEE(S): American Cyanamid Company, Madison, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5545662		19960813
APPLICATION INFO.:	US 1994-213303		19940314 (8)

RELATED APPLN. INFO.: Division of Ser. No. US 1993-63174, filed on 12 May 1993, now patented, Pat. No. US 5312831
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Goldberg, Jerome D.
LEGAL REPRESENTATIVE: Milowsky, Arnold S.
NUMBER OF CLAIMS: 3
EXEMPLARY CLAIM: 1
LINE COUNT: 1976
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to novel ureas and urethanes of Formula I: ##STR1## which stimulate cytokine production and may be used to accelerate recovery from neutropenia accompanying radio- or chemotherapy, bone marrow transplantation, or infections. Compounds in the invention or pharmaceutical compositions employing these compounds may be useful in the treatment of cancer, AIDS, aplastic anemia, myelodysplastic syndrome, and infectious diseases, and in the enhancement of immune response.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 10 OF 10 USPATFULL
ACCESSION NUMBER: 94:42359 USPATFULL
TITLE: Urethanes and ureas that induce cytokine production
INVENTOR(S): Ayral-Kaloustian, Semiramis, Tarrytown, NY, United States
Schow, Steven R., Washingtonville, NY, United States
Du, Mila T., Suffern, NY, United States
Gibbons, Jr., James J., Westwood, NJ, United States
PATENT ASSIGNEE(S): American Cyanamid Company, Wayne, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5312831		19940517
APPLICATION INFO.:	US 1993-63174		19930512 (8)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Shippen, Michael L.

Searcher : Shears 308-4994

LEGAL REPRESENTATIVE: Dow, K. J.
NUMBER OF CLAIMS: 25
EXEMPLARY CLAIM: 1
LINE COUNT: 1983
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention relates to novel ureas and urethanes of Formula I: ##STR1## which stimulate cytokine production and may be used to accelerate recovery from neutropenia accompanying radio- or chemotherapy, bone marrow transplantation, or infections. Compounds in the invention or pharmaceutical compositions employing these compounds may be useful in the treatment of cancer, AIDS, aplastic anemia, myelodysplastic syndrome, and infectious diseases, and in the enhancement of immune response.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

FILE 'REGISTRY' ENTERED AT 15:19:25 ON 18 NOV 2002
L14 0 S ?"CARBONYL-L-LYSYL]-ALANINE"?/CNS

- Named compd. claim 5

FILE 'HCAPLUS' ENTERED AT 15:22:51 ON 18 NOV 2002
L15 301 S (ALANINE OR ALA)(S)LYSYL
L16 2 S L15(S)(OXOHEPTYL? OR OXO HEPTYL?)
L17 0 S L16 NOT L10

FILE 'MEDLINE, BIOSIS, EMBASE, WPIDS, CONFSCI, SCISEARCH, JICST-EPLUS, JAPIO, CANCERLIT' ENTERED AT 15:23:40 ON 18 NOV 2002
L18 1 S L16

L18 ANSWER 1 OF 1 WPIDS (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: 2001-257851 [26] WPIDS
DOC. NO. CPI: C2001-077696
TITLE: Product for the treatment of solid tumors, e.g. non-small cell lung carcinoma, glioma, ovarian cancer, breast cancer, and prostate cancer, comprises a bioresponse modifier and a chemotherapeutic agent.
DERWENT CLASS: B05
INVENTOR(S): DUKART, G; GIBBONS, J J; LUCAS, J; SPEICHER, L A
PATENT ASSIGNEE(S): (AMHP) AMERICAN HOME PROD CORP; (AMHP) WYETH
COUNTRY COUNT: 94
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 2001019399	A2	20010322	(200126)*	EN	23
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW					
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BR 2000014001	A	20020521	(200238)		
EP 1214092	A2	20020619	(200240)	EN	
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APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2001019399	A2	WO 2000-US25008	20000912
AU 2000073736	A	AU 2000-73736	20000912
BR 2000014001	A	BR 2000-14001	20000912
		WO 2000-US25008	20000912
EP 1214092	A2	EP 2000-961841	20000912
		WO 2000-US25008	20000912

FILING DETAILS:

PATENT NO	KIND		PATENT NO
AU 2000073736	A	Based on	WO 200119399
BR 2000014001	A	Based on	WO 200119399
EP 1214092	A2	Based on	WO 200119399

PRIORITY APPLN. INFO: US 1999-396051 19990915
AN 2001-257851 [26] WPIDS
AB WO 200119399 A UPAB: 20010515
NOVELTY - Product (I) comprises a bioresponse modifier (BM) and a chemotherapeutic agent (CA) as a combined preparation for simultaneous, separate or sequential use in the treatment of solid tumors.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method of potentiating the chemotherapeutic regimen comprising administration of a BM in addition to a CA.

ACTIVITY - Cytostatic.

The effects of a BM and a CA were evaluated in a clinical study. The CAs used were paclitaxel and carboplatin, and the BM was (IIa). Cancer patients with late-stage disease were given (IIa) 7 days before the paclitaxel (175-200 mg/m2) and carboplatin (dose was such that area under curve is 6 mg/ml multiply minute). Patients received a second dose of CA 21 days later, and then on days 22 and 29 (IIa) was administered. Three patients received a dosage of (IIa) of 0.1 micro g/kg, 2 patients experienced complete reduction of the tumor, and 1 experienced partial reduction of the tumor. Six patients received a dosage of (IIa) of 0.2 mu g/kg, 1 experienced partial reduction of the tumor, 2 experienced stabilization of the tumor, and 1 experienced tumor progression. Four patients received a dosage of (IIa) of 0.266 micro g/kg, 1 patient experienced complete reduction of the tumor, 1 experienced partial reduction of the tumor, 1 experienced stabilization of the tumor, and 1 experienced tumor progression. Three patients received a dosage of (IIa) of 0.4 micro g/kg, 1 patient experienced complete reduction of the tumor, 1 experienced stabilization of the tumor, and 1 experienced tumor progression. Of all of the patients tested, 69 % experienced complete or partial tumor reduction, or tumor stabilization.

MECHANISM OF ACTION - Cytokine inducer; Microtubular agent; Macrophage activating agent.

USE - (I) is used for the treatment of solid tumors (claimed), especially non-small cell lung carcinoma, glioma, ovarian cancer, breast cancer, prostate cancer, cancers of the head and neck, kidney, pancreas, liver and colon and soft tissue sarcoma.

ADVANTAGE - The two components can be administered simultaneously, or in a staggered regimen. The BM potentiates the

effect of the CA.
Dwg.0/0

FILE 'REGISTRY' ENTERED AT 15:25:25 ON 18 NOV 2002
L20 218362 SEA FILE=REGISTRY ABB=ON PLU=ON ?ALANINE?/CNS
L35 6 SEA FILE=REGISTRY ABB=ON PLU=ON ?"CARBOXY-N2-((2-CARBOX Y"?/CNS
L36 5 SEA FILE=REGISTRY ABB=ON PLU=ON L35(S)L20
L37 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L36

(FILE 'HCAPLUS' ENTERED AT 15:36:35 ON 18 NOV 2002)
L37 1 S L36

=> s l37 not l10
L38 0 L37 NOT L10

(FILE 'MEDLINE, BIOSIS, EMBASE, WPIDS, CONFSCI, SCISEARCH, JICST-EPLUS, JAPIO, CANCERLIT' ENTERED AT 15:38:16 ON 18 NOV 2002)
L39 0 S L37

FILE 'HOME' ENTERED AT 15:38:38 ON 18 NOV 2002